

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

- 1 1. (Previously Presented) A pressure sensor comprising an integrated circuit
2 encapsulated within a package, said integrated circuit including a pressure sensing element, an
3 opening being provided in the package allowing the pressure sensor to be exposed to the
4 atmosphere wherein a filter extends across the opening thereby preventing the ingress of
5 moisture or other substances.
- 1 2. (Original) A pressure sensor as claimed in claim 1 wherein the integrated
2 circuit incorporates a radio frequency transponder or other means for connecting or transmitting
3 the output of the pressure sensing element to external circuitry.
- 1 3. (Previously Presented) A pressure sensor as claimed in claim 1 wherein
2 the filter is fixed to the surface of the package such that it extends over and covers the opening.
- 1 4. (Previously Presented) A pressure sensor as claimed in claim 1 wherein
2 the filter is a membrane or film.
- 1 5. (Original) A pressure sensor as claimed in claim 4 wherein the filter is an
2 organic film or membrane.
- 1 6. (Previously Presented) A pressure sensor as claimed in claim 1 wherein
2 the sensor is adapted to be fitted to or embedded in a vehicle tyre.
- 1 7. (Previously Presented) A pressure sensor as claimed in claim 1 wherein
2 the integrated circuit is mounted on a lead frame.

1 8. (Original) A pressure sensor as claimed in claim 7 wherein the integrated
2 circuit and the lead frame are completely encapsulated within the package.

1 9. (Previously Presented) A pressure sensor as claimed in claim 1 wherein
2 the package is a conventional semiconductor package incorporating an opening.

1 10. (Previously Presented) A pressure sensor as claimed in claim 1 wherein
2 the package is plastic.

1 11. (Previously Presented) A pressure sensor as claimed in claim 1 wherein
2 the opening is wholly filled with gel.

1 12. (Previously Presented) A pressure sensor as claimed in claim 1 wherein
2 the opening is partially filled with a gel.

1 13. (Previously Presented) A pressure sensor as claimed in claim 11 wherein
2 the gel is a relatively soft gel of relatively low density.

1 14-21. (Canceled)